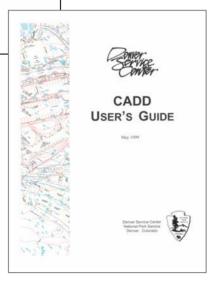


YOUR AMERICA

GUIDELINE FOR
PREPARATION OF
DESIGN AND CONSTRUCTION
DRAWINGS

Reference Manual 10A

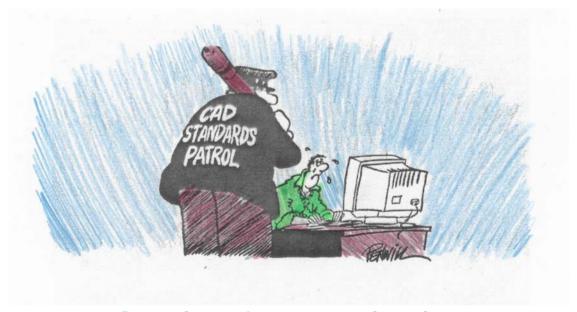
# Director's Order 10A and DSC CADD Resources





EXPERIENCE YOUR AMERICA

## There is a purpose



...for drawing standards

Ease of Use - File Sharing - File Retrieval



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#### Creator vs Maintainer



"I'M A STRONG BELIEVER IN CAD STANDARDS THAT'S WHY I USE THIS EXCELLENT SET OF MY OWN"

Standards make work easy for the *Creator*...

And are a MUST for the *Maintainer!* 



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#### another End User....



"THE ARCHITECT SAYS YOU DON'T NEED DIMENSIONS ON THE DRAWING WHEN YOU CAN SIMPLY QUERY THE COMPUTER MODEL"

Consistency generates better communication and coordination



## File Sharing for Years.....





"THE ARCHITECT MUST HAVE FORMED THIS WALL FROM A FLOOR OBJECT"

Electronic files must be shared throughout the life of the project – at the least



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http://cadd.den.nps.gov

- DSC CADD Standards
- Director's Order 10A
- AutoCAD Customization



# Technical Information Center Technical Information Center

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www.nps.gov/dsc/tic

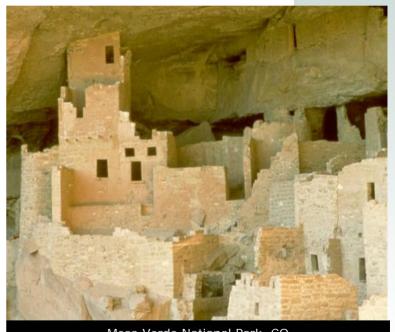




#### The Technical Information Center (TIC)

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The Technical Information Center is the central repository for planning, design, and construction documents for the National Park Service.



Mesa Verde National Park, CO



## The Technical Information Center has in its collections:

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\*1,000,000 Drawings and Maps

\*85,000 Technical Reports

\*300,000 Photographs & Slides

\*2,000 Aerial Flights

\*Electronic files (CADD & GIS)

\*Videos and Film

Great Smoky Mountains National Park, TN



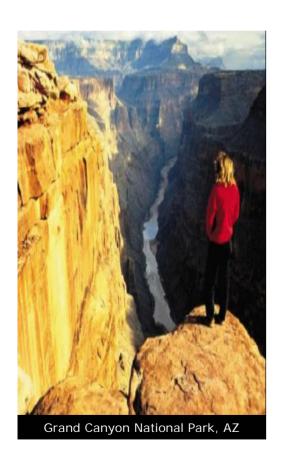
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The Technical **Information Center** archives encompass materials from 388 **National Parks found in** 49 states, the District of Columbia, Guam, American Samoa, Puerto Rico, the Virgin Islands and 22 foreign countries.





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The Technical Information Center offers assistance in:

- \*Reproducing documents and drawings in nearly all mediums in hardcopy and electronic versions.
- \*Conducting primary research for resource management, design and planning, and historical studies.
- \*Providing technical assistance with archival collections including disaster recovery, storage, and preservation.



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Original Drawing and Microfilm



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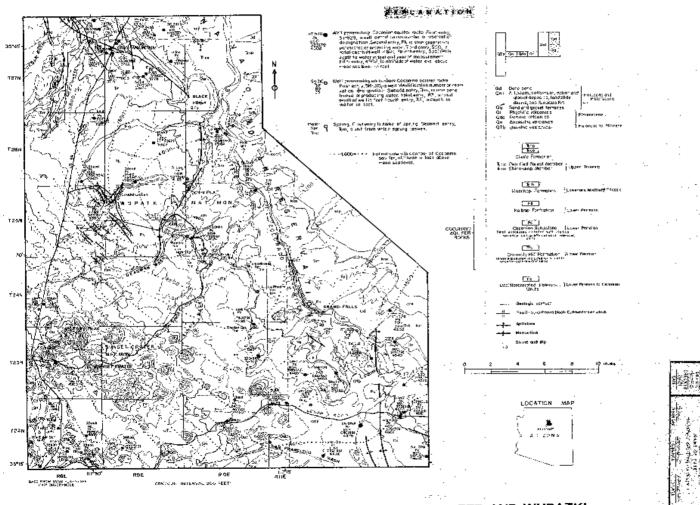
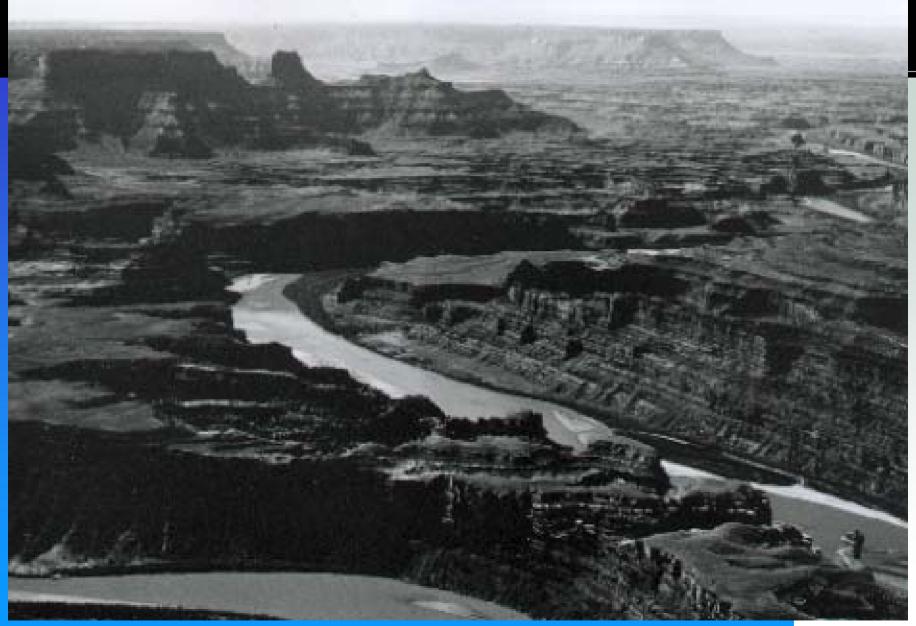


PLATE I. HYDROGEOLOGICALMAP OF THE SUNSET CRATER AND WUPATKI NATIONAL MONUMENTS AREA, COCONINO COUNTY, ARIZONA







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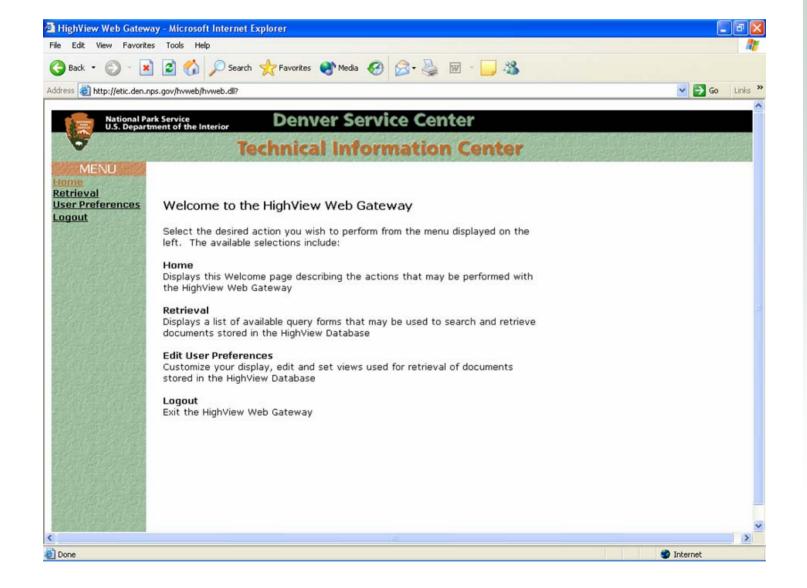
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Release 085.15 August 14, 2003

Company: NPS

Serial Num: 4127a1-2a8b-854-a283-1a



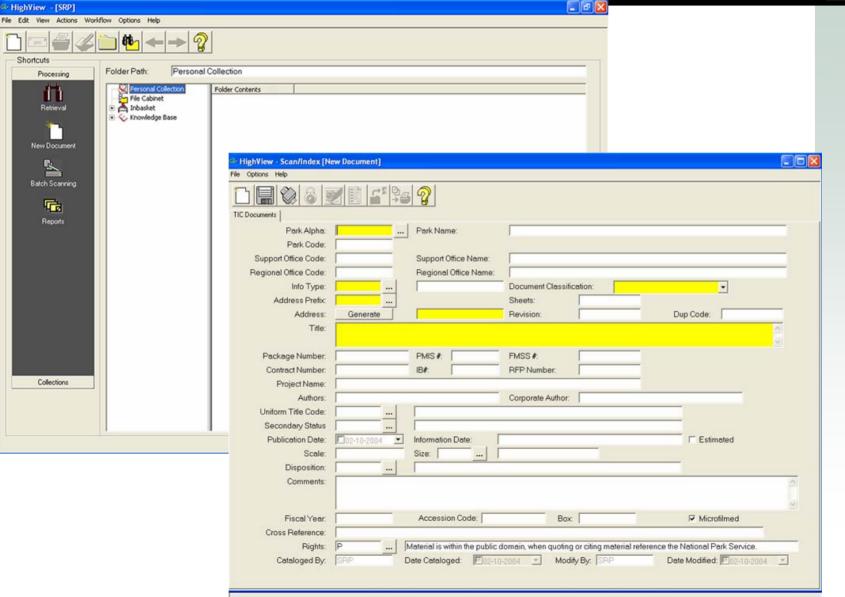




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D. 62 File: Carlsbac Also Code: Quada lupe Mountains

THE MAMMALIAN FOSSILS FROM MUSKOX CAVE AND THEIR PALEOECOLOGIC IMPLICATIONS

A report submitted to the National Park Service in partial fulfillment of purchase order PX7029-7-0837.

30 April 1979

Lloyd E. Logan

Dept. of Paleobiology Smithsonian Institution Washington, D. C. SPECIES ACCOUNTS

Class Mammalia
Order Insectivora
Family Soricidae
Genus <u>Sorex</u>

Sorex cinereus (Kerr)

The masked shrew is most commonly found in montane, hydrosere communities (Long, 1965; Findley, et. al., 1975). Hall and Kelson (1959) state that <a href="Sorex cinereus">Sorex cinereus</a> prefers moist open areas near water, but is often found in other habitats, including dry forest floors in the eastern U.S.

Sorex cinereus has a modern distribution covering most of the northern one-half of North America (Fig. 2). The present closest occurrence of the masked shrew, to Auskox Cave, is the mountains of north-central New Mexico (Findley, et. al., 1975). The specienens from Muskox Cave (Plate Ia) compare closely with modern specimens of  $\underline{S}$ , cinereus from New Mexico and Colorado.

During the Pleistocene, the masked shrew occurred as far south as Nuevo Leon, Mexico (Findley, 1953) and has been recovered from numerous Pleistocene localities south of the present range (Fig. 2), including both Upper and Lower Sloth Caves in Guadalupe Mountains National Park, Culberson County, Texas (Logan, 1975; Logan and Black, 1979; Logan 1977).



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FH-TIC Powerp...

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speeches



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Adobe Photoshop

**6** HighView



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# Why is project documentation important?

- \*Legal protection/Record of Decisionmaking
- \*Proof structures were well designed
- \*Proof specifications were adequate
- \*Proof compliance work was performed
- \*Proof drawings & reports received appropriate reviews
- \*44 USC 3301, 36 CFR 1228, & NPS 19



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#### Why is project documentation Important?

Saves time & money on (future) projects:

- Ensures bids are accurate
- Useful for historic & existing facilities
- Reusing ideas to solve similar problems
  - standard & model designs
  - descriptions of cultural & natural context



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# Why is project documentation important?

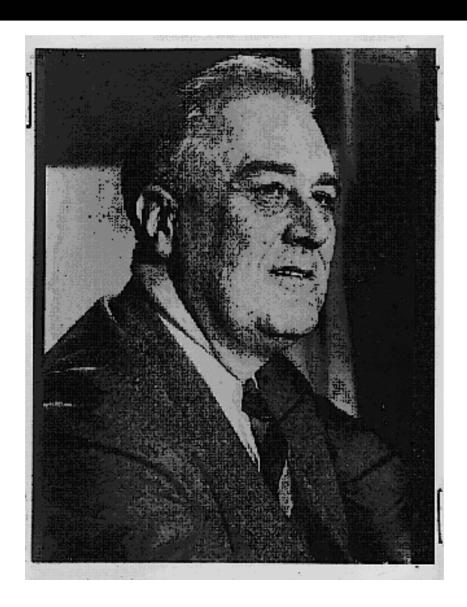
Useful to park maintenance staff:

- Helps rebuild park structure after disasters
- Locating utilities
- Repairing structures
  - matching paint
  - identifying materials used
- Rebuilding roads & trails





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#### **Timeless words**



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To bring together the records of the past and to house them in buildings where they will be preserved for the use of men and women living in the future, a Nation must believe in three things. It must believe in the past. It must believe in the future. It must, above all, believe in the capacity of its own people so to learn from the past that they can gain in judgments in creating their own future.

FDR Library dedication, June of 1941 - Franklin D. Roosevelt